DVI 201

DVI Extender

DVI 201 Transmitter

DVI 201 Receiver

FEATURES

- **Transmits single link DVI-D/HDMI and RS-232 signals over two CAT 5-type cables** — Standard UTP/STP cables provide an economical, easily installed cable solution.
- **Inputs: DVI-D connector, captive screw connector - DVI 201 Tx**
- **Outputs: DVI-D connector, captive screw connector - DVI 201 Rx, local DVI-D output - DVI 201 Tx**
- **Sends 720p, 1080i, and XGA (1024x768) signals over 200 feet (60 meters), 1080p/60 and 1920x1200 signals over 100 feet (30 meters)** — Utilization of STP - Shielded Twisted Pair cabling provides added protection from outside interference and increases overall signal transmission distances.
- **Local monitor output** — The DVI 201 Tx transmitter features a DVI-D output for connection to a local monitor.
- **Supports DDC and HDCP copy protection transmission** — The DVI 201 fully supports long distance transmission of DDC and HDCP signals.
- **DDC routing to local or remote display** — At the DVI 201 Tx, the DDC or HDCP signal is directed to either the local display or the remote display, depending on which is more critical in receiving the signal.
- **Remote powering of transmitter or receiver** — Only one power supply is necessary to power both devices.
- **Bi-directional RS-232/IR pass-through** — Bi-directional RS-232 control or IR signals can be transmitted alongside the DVI or HDMI signals, so that the remote display can be controlled without the need for additional cabling.
- **Fully supports HDMI signals when used with optional Extron HDMI-DVI adapters** — Supports CEC Consumer Electronics Control signal transmission.
- **Compatible with DVI 201 A D Decora® transmitter and receiver** — Enables mixing and matching of desktop and wallplate transmitters and receivers to meet application requirements.
- **1" (2.5 cm) high, quarter rack width metal enclosures** — With low profile enclosures, both devices can be discreetly installed, such as behind a plasma or LCD flat-panel display.
- **External universal power supply included**, part # 70-055-01 — Provides worldwide power compatibility.

DESCRIPTION

The Extron **DVI 201** is a transmitter and receiver set that enables DVI - Digital Visual Interface or HDMI - High Definition Multimedia Interface signals to be carried over distances significantly greater than the specified 5 meter (15 foot) limitation for standard DVI cables. Linked together using two economical and integration friendly CAT 5, CAT 5e, CAT 6, or CAT 7 cables, the DVI 201 transmitter and receiver work together to send single link DVI-D or HDMI signals over 200 feet (60 meters) for HDTV and XGA (1024x768).

The DVI 201 supports the long distance transmission of HDTV signals with HDCP - High-bandwidth Digital Content Protection for copy protection of digital television broadcasts and high resolution digital video output from DTV tuners and DVRs, HD DVD, and Blu-ray Disc players. With the appropriate adapters from Extron, the DVI 201 is fully compatible with HDMI, a digital video, audio, and control standard for consumer A/V products.

Several features facilitate convenient, streamlined system integration. The DVI 201 transmitter includes a DVI loop-through to support monitoring on a local display device. RS-232 or IR signals from a third-party control system can also be transmitted over the same cabling as the DVI signals, for remote control of a projector or flat-panel display. Furthermore, either the transmitter or receiver can be remotely powered over this cabling, so that external power is necessary for only one of the devices.

The DVI 201 transmitter and receiver are housed in 1" high, quarter rack width metal enclosures. Both devices are also available separately, and may be matched with the DVI 201 A D Decora® transmitter or receiver to suit the requirements of a specific application.

MODEL	VERSION DESCRIPTION	PART #
DVI 201 Tx/Rx	Transmitter/Receiver Set	60-734-03
DVI 201 Tx	Transmitter	60-734-12
DVI 201 Rx	Receiver	60-734-13

OPTIONAL ACCESSORIES	MODEL DESCRIPTION	PAGE	PART #
DVID SL/6	Single Link DVI-D Male to Male Patch Cables	page 566	26-585-02
HDMI M-M/6	High Performance HDMI Male to Male Cables	page 782	26-613-02
HDMI M-DVI-D M/6	High Performance HDMI Male to DVI-D Male Cables	page 782	26-614-02
HDMIF-DVIDM	HDMI Female to DVI-D Male Adapter	page 569	26-616-01
HDMIM-DVIDF	HDMI Male to DVI-D Female Adapter	page 785	26-617-01
HDMIF-DVIDF	HDMI Female to DVI-D Female Adapter	page 569	26-618-01
MBU 125	1U, 1/2 & 1/4 Rack Width, Under-Desk Mount Kit for Two-Piece Enclosure	page 815	70-077-01
MBD 129	1U, 1/2 & 1/4 Rack Width Through-Desk Mount Kit for Two-Piece Enclosure	page 817	70-077-02
PMK 200	1U, 1/2 & 1/4 Rack Width Projector Mounting Kit for Two-Piece Enclosure	page 813	70-077-04

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DVI 201

SPECIFICATIONS

INTERCONNECTION BETWEEN TRANSMITTER AND RECEIVER

Number/signal type ..... 1 DVI-D/HDMI* input, 1920x1200 @ 60 Hz max. resolution
1 DVI-D/HDMI* local loop-through
Connectors ..... 2 DVI-D female

INTERCONNECTION BETWEEN TRANSMITTER AND RECEIVER

Connectors ..... (2) RJ-45 per unit for 2 CAT 5/5e/6 or STP (shielded twisted pair) cables connecting the transmitter and receiver
Termination standards ..... TIA/EIA T 568A or T 568B. Pin configurations for each standard are available in the manual's installation chapter.
Bit rate ..... 5 gigabits/second total (1.65 gigabits/second/color)
Signal transmission distance
1920x1200 @ 60 Hz (the highest resolution of the single link DVI standard)
STP (shielded twisted pair cable) ..... 125' (38 m)
CAT 5/5e/6 cable ..... 100' (30 m)
HDTV (1080i or 720p) or 1024x768 @ 60 Hz
CAT 5/5e/6 or STP (shielded twisted pair) cable . 200' (60 m)

NOTE: The transmission distance varies greatly depending on the signal resolution and on the type of cable, graphic card, and display used in the system.

VIDEO OUTPUT — RECEIVER

Number/signal type ..... 1 DVI-D/HDMI*, 1920x1200 @ 60 Hz max. resolution
Connectors ..... 2 DVI-D female

CONTROL/REMOTE — EXTERNAL DEVICE (PASS-THROUGH)

Serial control port input
Transmitter ..... RS-232 via (1) 3.5 mm, 3 pole captive screw connector
Receiver ..... 1 set of proprietary signals on a female RJ-45 jack
Serial control port output
Transmitter ..... 1 set of proprietary signals on a female RJ-45 jack
Receiver ..... RS-232 via a 3.5 mm, 3 pole captive screw connector

NOTE: Protocol is mirrored between the transmitter and the receiver.

Serial control pin configurations. Captive screw connectors: 1 = TX, 2 = RX, 3 = GND

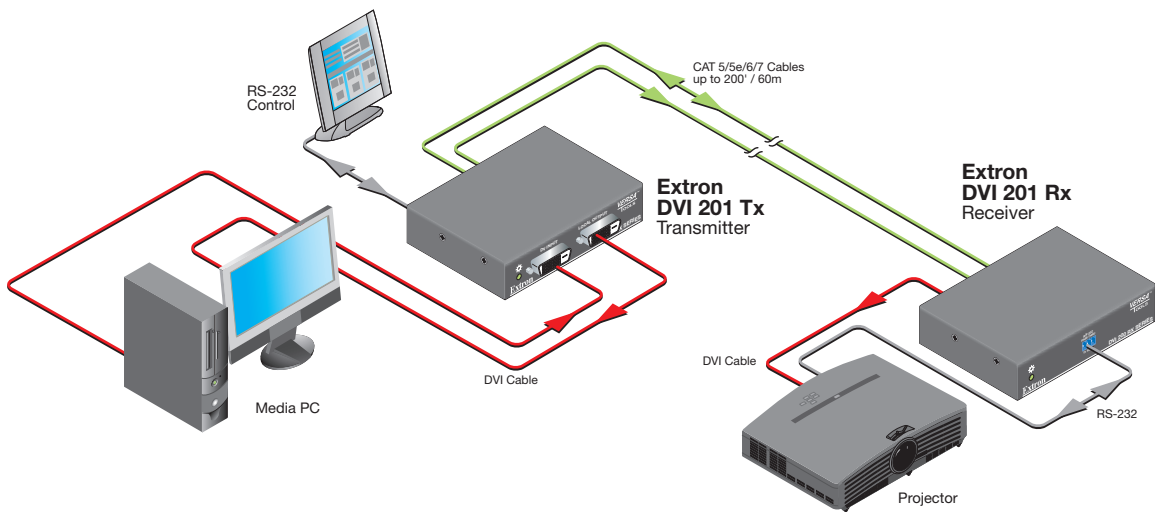
GENERAL

External power supply ..... 100 VAC to 240 VAC, 50/60 Hz, 6 W max., external; to 12 VDC, 1 A, regulated
Power input requirements ..... 12 VDC, 0.4 A for both transmitter and receiver

NOTE: Each transmitter or receiver can be powered either locally by an external power supply or remotely by receiver or transmitter on the other end of the CAT 5/5e/6 or STP (shielded twisted pair) cable.

Temperature/humidity ..... Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing
Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing
Rack mount ..... Yes, with optional 1U, 9.5" deep rack shelf, part #60-190-01 or 60-604-01; 1U, 6" deep rack shelf, part #60-190-10, 60-604-10; or VersaTools® 1U, 3" deep rack shelf, part #60-190-20 or 60 604 20.
Also furniture mountable with optional Through-Desk Mounting Kit, #70-077-02, or attachable to a projector mount using optional kit #70-526-02.
Enclosure type ..... Metal
Enclosure dimensions ..... 1.0" H x 4.3" W x 3.0" D (quarter rack wide)
2.5 cm H x 10.9 cm W x 7.6 cm D
(Depth excludes connectors.)
Product weight ..... 0.5 lbs (0.3 kg)
Shipping weight ..... 3 lbs (2 kg)
Vibration ..... ISTA 1A in carton (International Safe Transit Association)
Listings ..... UL, CUL
Compliances ..... CE, FCC Class A**, VCCI, AS/NZS, ICES
MTBF ..... 30,000 hours
Warranty ..... 3 years parts and labor

NOTE: *An optional HDMI to DVI adapter is required if an HDMI signal is used. Also, an optional Extron HDMI-to-DVI adapter is required in order to transmit a CEC signal. **FCC testing is conducted with STP (shielded twisted pair) cable. All nominal levels are at ±10%. Specifications are subject to change without notice.



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